Irrigation Caddy

Web Based Sprinkler Control System

User Manual

by **KGControls LLC**

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Introduction

The Irrigation Caddy (IC) device is a web based irrigation sprinkler control system.
The system allows the user to control and schedule an irrigation system from any computer with a web browser.
No special software or clients are required, just a Web Browser on a computer.

Installation

The IC can be used in new installations or as a replacement for an existing sprinkler control system.
The IC supports up to 10 different irrigation zones.
If your system uses a master valve, one of the outputs will be used as the master valve control, thus allowing only a maximum of 9 zones.
Out of the box the IC is configured with output #10 set as the master valve output.

Steps:

1. If this is a replacement installation, first remove the old Sprinkler Control System, and attach the IC to the wall. Make sure the valve cables can reach the IC.
2. Identify the common ground cable and connect it to the “com” output.

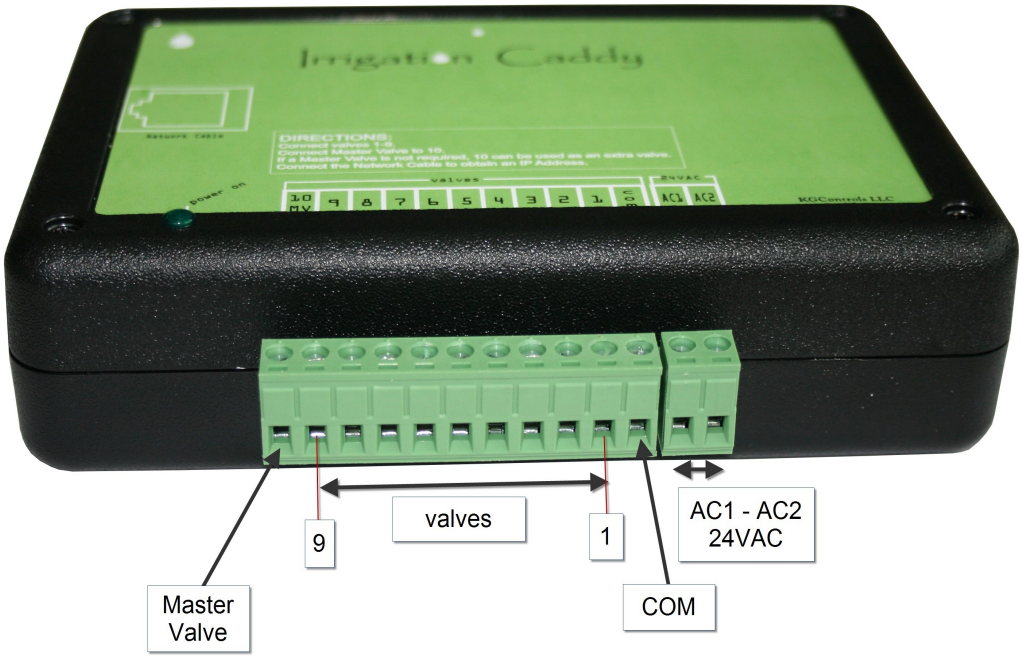

Illustration 1: Valve and Power Connectors

3. Connect valves 1 through 9, to the corresponding outputs on the IC
4. If your installation includes a master valve, connect the master valve to output #10 (“10 | MV”).
5. Connect a network cable from a network switch, or your Cable / DSL Router to the IC.

Illustration 2: Ethernet Connector

6. Connect the power cable to the IC using the “AC1” “AC2” outputs using the connector provided
7. Plug the wall transformer to a power outlet.
8. The IC should now be installed, and ready to use.
9. Go to a computer connected to the same network as the IC, and type “http://irrigationcaddy”

Usage

Going to the http://irrigationcaddy web address will present you with a Web Interface to the IC.
The IC is capable of Scheduling irrigation times using three different schedules, which can be program independently.
The IC also provides the user with a “Run Now” program, which allows the user to execute a one time program, immediately after programming.

Clock Setting

It is important that you set the IC clock time to the current time.

Steps:

1. Click on “Settings”

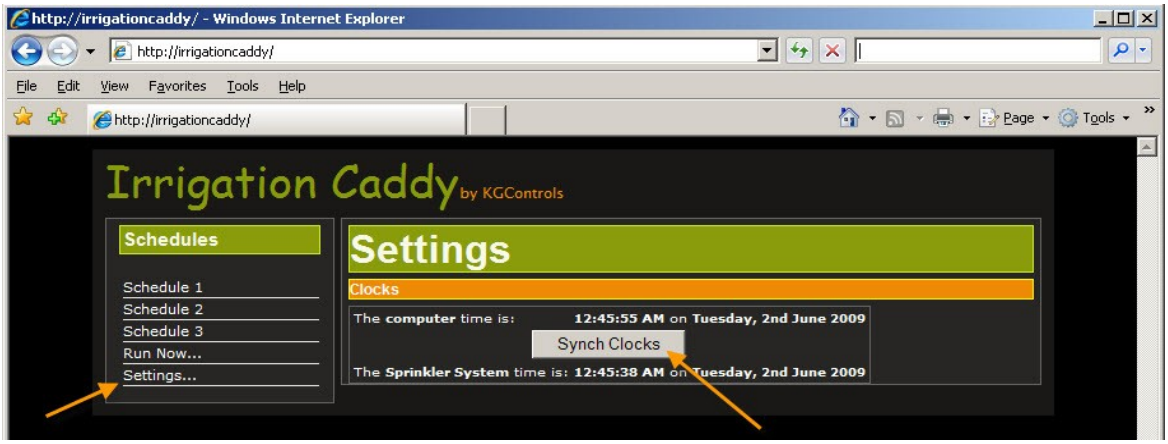

Illustration 3: Clock Synchronization

2. Click on the “Synch Clocks”. The IC clock will be synchronized with the computer's clock. Make sure your computer's time is correct.

Once the ICs clock has been set, this step does not have to be repeated.

Programming the Schedules

Steps:

1. Click on one of the Schedules (1, 2, or 3)

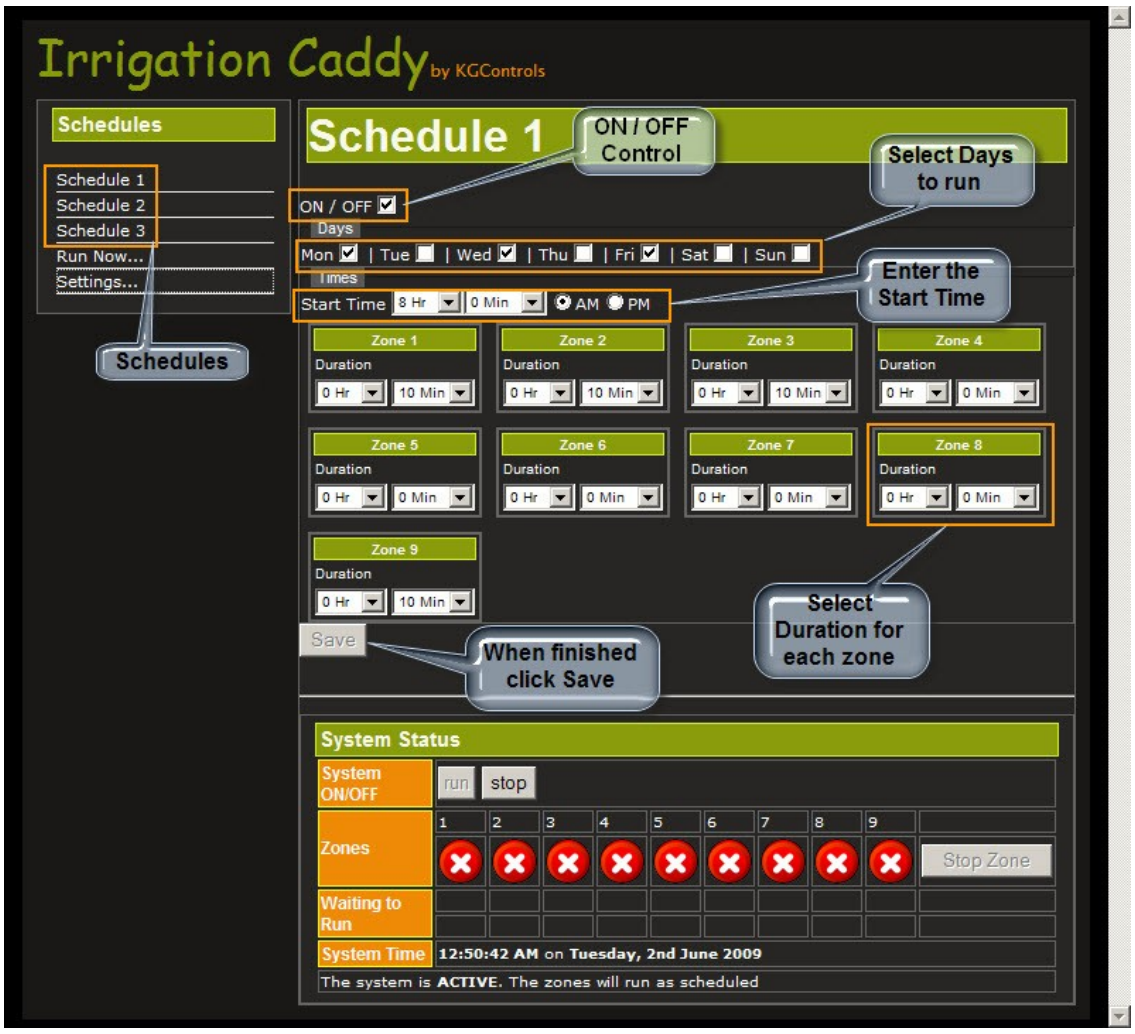
Irrigation Caddy by KGControls
Schedules
Schedule 1
Schedule 2
Schedule 3
Run Now...
Settings...
Schedule 1
ON / OFF Control
ON / OFF
Select Days to run
Days
Mon | Tue | Wed | Thu | Fri | Sat | Sun
Enter the Start Time
Times
Start Time 8 Hr 0 Min AM PM
Schedules
Zone 1 Duration 0 Hr 10 Min
Zone 2 Duration 0 Hr 10 Min
Zone 3 Duration 0 Hr 10 Min
Zone 4 Duration 0 Hr 0 Min
Zone 5 Duration 0 Hr 0 Min
Zone 6 Duration 0 Hr 0 Min
Zone 7 Duration 0 Hr 0 Min
Zone 8 Duration 0 Hr 0 Min
Zone 9 Duration 0 Hr 10 Min
Select Duration for each zone
Save
When finished click Save
System Status
System ON/OFF
run
stop
Zones
1 2 3 4 5 6 7 8 9
Stop Zone
Waiting to Run
System Time
12:50:42 AM on Tuesday, 2nd June 2009
The system is ACTIVE. The zones will run as scheduled

Illustration 4: Setting Schedules

2. Click on the check box next to the days you want the schedule to run
3. Select a “Start Time”. This will be the time of the day when the IC will wake up and start the sprinklers. Make sure you select the correct setting for AM / PM.
4. For each one of the zones, select the duration. This is the amount of time the zone will run. The

system will warn you if you set the duration to more than an hour, but it will let you save the program even if the duration exceeds one hour.

5. Finally you can turn the Schedule on by checking the "ON/OFF" check box at the top. If you leave the box unchecked, the settings will be saved as expected, but the schedule will not run.

Using the "Run Now" Program

The "Run Now" program allows you to run the system at the current moment. Just set the duration times on each one of the zones you are interested in running, and click on the "Run Now" button. This will start the system immediately.

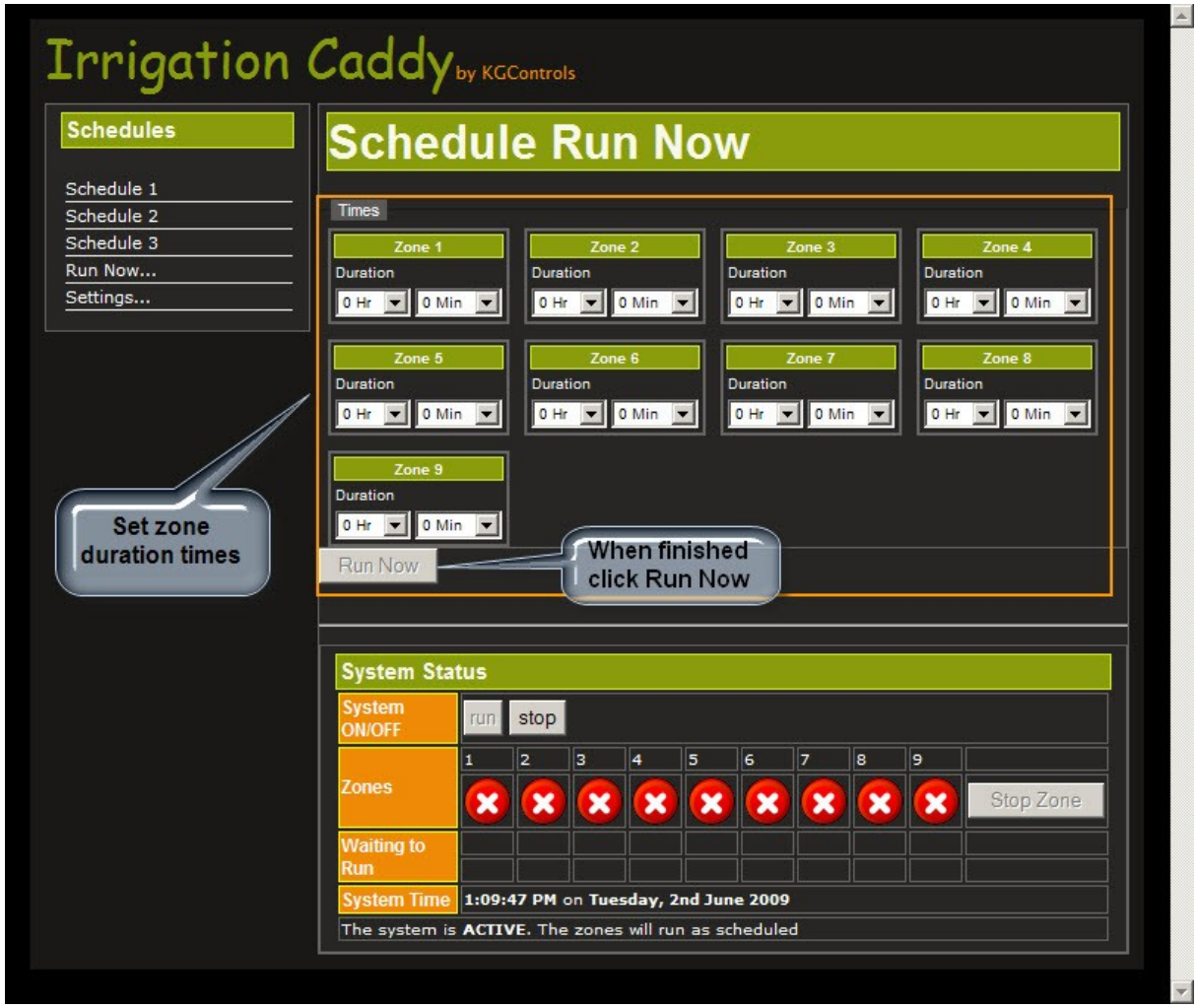

Illustration 5: Run Now Schedule

Turning the system OFF

During the winter months you will not probably want to run the system. In that case, you can turn the system OFF by clicking on the “stop” button in the “System Status” section. When you want the schedules to run again, you would simply click on the “run” button. Note the system would still be powered on, but it will not turn on the sprinklers.

Illustration 6: Stopping the system

Stopping Individual Zones

While a program is running, you can stop individual zones by clicking on the “Stop Zone” button on the “System Status” section. If there is a zone waiting to run, that zone will then take over and start.

If for some reason you would like to stop the program from continuing to run, you could click on the “Stop Zone” button for each one of the zones scheduled to run.

Illustration 7: Stopping Individual Zones

Requirements

1. Ethernet connection

Supported Web Browsers

The system has been tested with the following browsers:

Internet Explorer 6 and higher
Firefox 2.x and higher

Contact Information

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